

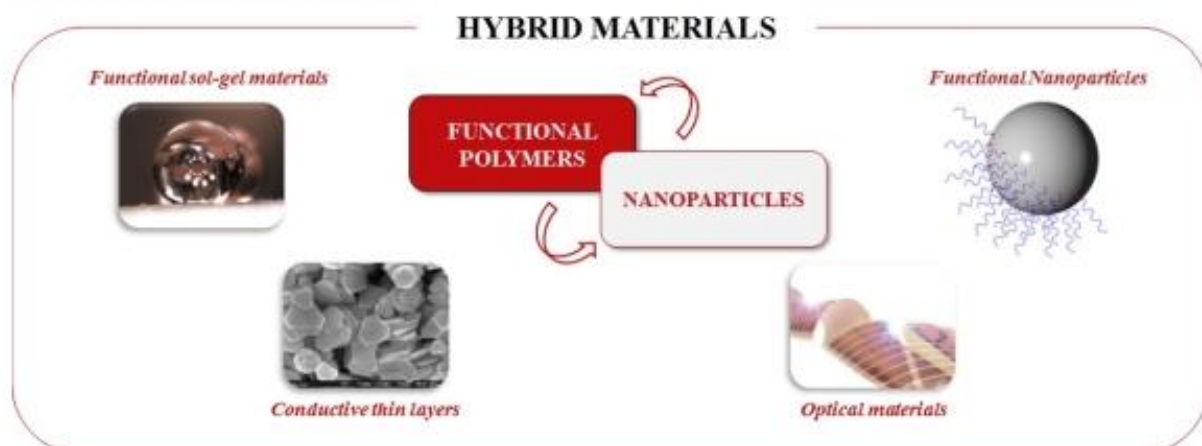
Newsletter - April 2016

SPECIFIC POLYMERS & HYBRID MATERIALS



POLYMER-NANOPARTICLE HYBRID MATERIALS

SPECIFIC POLYMERS is an innovative SME internationally recognized in the field of high specificity polymers and materials. SPECIFIC POLYMERS activity consists in the design, the development and the production of functional Building-Blocks, Monomers and Polymers. In more than 13 years, SPECIFIC POLYMERS acquired strong competences and skills in organic and polymer chemistry.



In the horizon 2020, SPECIFIC POLYMERS is willing to enter new high-technology sectors of activity and to enlarge his range of competences to hybrid materials. Indeed, combining specific functional polymers with well-chosen nanoparticles opens the way to significant technological and scientific advances.

**If you are interesting in our R&D activities or if you need more information,
Do not hesitate to contact us**

[Contact us](#)

Ph.D. STUDY - MULTI-FUNCTIONAL HYBRID THIN LAYERS

In November 2015, **SPECIFIC POLYMERS** opened a Ph.D. position in order to develop polymer/nanoparticle hybrid thin layers exhibiting optical, electric and surface properties. PhD researches are conducted by **Agathe BOUVET-MARCHAND**, Chemist Engineer from ENSCM, under the direction of **Prof. David GROSSO**, expert in synthesis and processing of nanostructured thin film materials from IM2NP laboratory (Aix-Marseille University).



DISCOVER OUR COMPAGNY



SPECIFIC POLYMERS

Functional monomer and polymer synthesis

- **RESEARCH AND DEVELOPMENT** of innovative chemicals
- **ON-DEMAND SYNTHESIS** of building-block, monomers and polymers
- **CATALOG PRODUCTS** suppliers (more than 1000 molecules)
- **UP-SCALED PRODUCTION** from g to kg
- **PHYSICO-CHEMICAL ANALYSES**



[CATALOG](#)



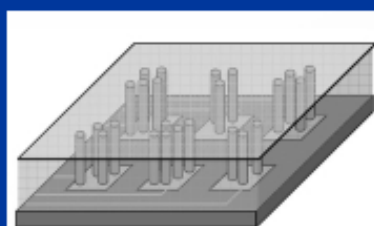
[FLYER](#)



[DISCOVERY KITS](#)

PIEZOMAT - HYBRID MATERIALS FOR FINGERPRINT SENSORS

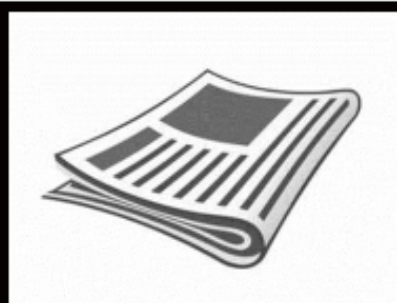
For more than two years, SPECIFIC POLYMERS has been developing innovative materials for the encapsulation of ZnO nanowire matrices for piezoelectric fingerprint device. Targeted polymeric material was specifically built to be tough enough to protect the NWs from breaking but soft enough to allow NWs deformation and production of electric charges. In addition to appropriate mechanical properties, encapsulation materials must also exhibit surface properties such as hydrophoby and oleophoby.



Within the scope of this project, SPECIFIC POLYMERS is also working on conductive hybrid polymer-silver layers.

For more information on this project, please visit following website

[PiezoMAT Website](#)



Publications - Scientific articles

Since 1999, the innovative building-blocks, monomers and polymers developed by SPECIFIC POLYMERS allowed significant progresses within a wide range of applications. Those led to more than 50 scientific articles.

[See scientific articles](#)

SPECIFIC POLYMERS

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